

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled, **"MARKER ASSISTED BEST LINEAR UNBIASED PREDICTION (MA-BLUP) SOFTWARE ADAPTIONS FOR PRACTICAL APPLICATIONS FOR LARGE BREEDING POPULATIONS IN FARM ANIMAL SPECIES"**, the Specification of which was filed on **27 January 2005** as International Application Serial No. **PCT/US2005/002362**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, United States provisional application(s), or inventor's certificate listed below and have also identified below any foreign application for patent, United States provisional application, or inventor's certificate having a filing date before that of the application on which priority is claimed:

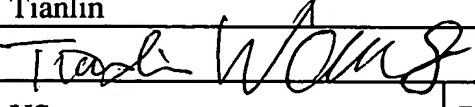
PRIORITY APPLICATION(S)			Priority Claimed
60/543,034	U.S.	09 February 2004	Yes
(Application Serial No.)	(Country)	(Filing Date)	Yes/No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US2005/002362	27 January 2005	Pending
(Application Serial No.)	(Filing Date)	(Status)

I hereby direct that all correspondence and telephone calls be addressed to Patricia A. Kammerer, Howrey Simon Arnold & White, Customer No. 45607; Phone 713.787.1400.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name:	Tianlin	WANG
Inventor's Signature:		
Country of Citizenship:	US	Date: 2005-04-28
Residence Address: (street, number, city, state, and/or country)	5220 Dutch Elm Drive Apex, NC 27539 US	
Post Office Address: (if different from above)		

Inventor's Full Name:	Michael	M.	LOHUIS
Inventor's Signature:			
Country of Citizenship:	CA	Date:	
Residence Address: (street, number, city, state, and/or country)	12959 Beaver Dam Road Des Peres, MO 63131 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Cheryl	J.	KOJIMA
Inventor's Signature:			
Country of Citizenship:	US	Date:	2005
Residence Address: (street, number, city, state, and/or country)	117 Royal Heights Drive Knoxville, TN 37920 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Fengxing		DU
Inventor's Signature:			
Country of Citizenship:	CN	Date:	
Residence Address: (street, number, city, state, and/or country)	228 Country Hollow Court St. Charles, MO 63304 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	John	C.	BYATT
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	214 Country Creek Court Ballwin, MO 63011 US		
Post Office Address: (if different from above)			

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled, **"MARKER ASSISTED BEST LINEAR UNBIASED PREDICTION (MA-BLUP) SOFTWARE ADAPTIONS FOR PRACTICAL APPLICATIONS FOR LARGE BREEDING POPULATIONS IN FARM ANIMAL SPECIES"**, the Specification of which was filed on **27 January 2005** as International Application Serial No. **PCT/US2005/002362**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, United States provisional application(s), or inventor's certificate listed below and have also identified below any foreign application for patent, United States provisional application, or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIORITY APPLICATION(S)			Priority Claimed
			Yes Yes/No
60/543,034	U.S.	09 February 2004	Yes
(Application Serial No.)	(Country)	(Filing Date)	Yes/No

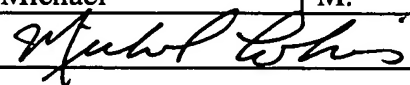
I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US2005/002362	27 January 2005	Pending
(Application Serial No.)	(Filing Date)	(Status)

I hereby direct that all correspondence and telephone calls be addressed to Patricia A. Kammerer, Howrey Simon Arnold & White, Customer No. 45607; Phone 713.787.1400.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name:	Tianlin		WANG
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	5220 Dutch Elm Drive Apex, NC 27539 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Michael	M.	LOHUIS
Inventor's Signature:			
Country of Citizenship:	CA	Date:	5-25-05
Residence Address: (street, number, city, state, and/or country)	12959 Beaver Dam Road Des Peres, MO 63131 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Cheryl	J.	KOJIMA
Inventor's Signature:			
Country of Citizenship:	US	Date:	2005
Residence Address: (street, number, city, state, and/or country)	117 Royal Heights Drive Knoxville, TN 37920 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Fengxing		DU
Inventor's Signature:			
Country of Citizenship:	CN	Date:	
Residence Address: (street, number, city, state, and/or country)	228 Country Hollow Court St. Charles, MO 63304 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	John	C.	BYATT
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	214 Country Creek Court Ballwin, MO 63011 US		
Post Office Address: (if different from above)			

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled, **"MARKER ASSISTED BEST LINEAR UNBIASED PREDICTION (MA-BLUP) SOFTWARE ADAPTIONS FOR PRACTICAL APPLICATIONS FOR LARGE BREEDING POPULATIONS IN FARM ANIMAL SPECIES"**, the Specification of which was filed on **27 January 2005** as International Application Serial No. **PCT/US2005/002362**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, United States provisional application(s), or inventor's certificate listed below and have also identified below any foreign application for patent, United States provisional application, or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIORITY APPLICATION(S)

			Priority Claimed
60/543,034	U.S.	09 February 2004	Yes
(Application Serial No.)	(Country)	(Filing Date)	Yes/No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US2005/002362	27 January 2005	Pending
(Application Serial No.)	(Filing Date)	(Status)

I hereby direct that all correspondence and telephone calls be addressed to Patricia A. Kammerer, Howrey Simon Arnold & White, Customer No. 45607; Phone 713.787.1400.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name:	Tianlin		WANG
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	5220 Dutch Elm Drive Apex, NC 27539 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Michael	M.	LOHUIS
Inventor's Signature:			
Country of Citizenship:	CA	Date:	
Residence Address: (street, number, city, state, and/or country)	12959 Beaver Dam Road Des Peres, MO 63131 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Cheryl	J.	KOJIMA
Inventor's Signature:	<i>Cheryl Kojima</i>		
Country of Citizenship:	US	Date:	4 / 29 / 2005
Residence Address: (street, number, city, state, and/or country)	117 Royal Heights Drive Knoxville, TN 37920 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Fengxing		DU
Inventor's Signature:			
Country of Citizenship:	CN	Date:	
Residence Address: (street, number, city, state, and/or country)	228 Country Hollow Court St. Charles, MO 63304 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	John	C.	BYATT
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	214 Country Creek Court Ballwin, MO 63011 US		
Post Office Address: (if different from above)			

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled, **"MARKER ASSISTED BEST LINEAR UNBIASED PREDICTION (MA-BLUP) SOFTWARE ADAPTIONS FOR PRACTICAL APPLICATIONS FOR LARGE BREEDING POPULATIONS IN FARM ANIMAL SPECIES"**, the Specification of which was filed on **27 January 2005** as International Application Serial No. **PCT/US2005/002362**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, United States provisional application(s), or inventor's certificate listed below and have also identified below any foreign application for patent, United States provisional application, or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIORITY APPLICATION(S)

			Priority Claimed
60/543,034	U.S.	09 February 2004	Yes
(Application Serial No.)	(Country)	(Filing Date)	Yes/No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US2005/002362	27 January 2005	Pending
(Application Serial No.)	(Filing Date)	(Status)

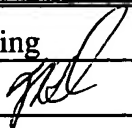
I hereby direct that all correspondence and telephone calls be addressed to Patricia A. Kammerer, Howrey Simon Arnold & White, Customer No. 45607; Phone 713.787.1400.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name:	Tianlin		WANG
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	5220 Dutch Elm Drive Apex, NC 27539 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Michael	M.	LOHUIS
Inventor's Signature:			
Country of Citizenship:	CA	Date:	
Residence Address: (street, number, city, state, and/or country)	12959 Beaver Dam Road Des Peres, MO 63131 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Cheryl	J.	KOJIMA
Inventor's Signature:			
Country of Citizenship:	US	Date:	2005
Residence Address: (street, number, city, state, and/or country)	117 Royal Heights Drive Knoxville, TN 37920 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Fengxing		DU
Inventor's Signature:			
Country of Citizenship:	CN	Date:	5/12/05
Residence Address: (street, number, city, state, and/or country)	228 Country Hollow Court St. Charles, MO 63304 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	John	C.	BYATT
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	214 Country Creek Court Ballwin, MO 63011 US		
Post Office Address: (if different from above)			

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled, **"MARKER ASSISTED BEST LINEAR UNBIASED PREDICTION (MA-BLUP) SOFTWARE ADAPTIONS FOR PRACTICAL APPLICATIONS FOR LARGE BREEDING POPULATIONS IN FARM ANIMAL SPECIES"**, the Specification of which was filed on **27 January 2005** as International Application Serial No. **PCT/US2005/002362**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent, United States provisional application(s), or inventor's certificate listed below and have also identified below any foreign application for patent, United States provisional application, or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIORITY APPLICATION(S)

			Priority Claimed
60/543,034	U.S.	09 February 2004	Yes
(Application Serial No.)	(Country)	(Filing Date)	Yes/No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US2005/002362	27 January 2005	Pending
(Application Serial No.)	(Filing Date)	(Status)

I hereby direct that all correspondence and telephone calls be addressed to Patricia A. Kammerer, Howrey Simon Arnold & White, Customer No. 45607; Phone 713.787.1400.

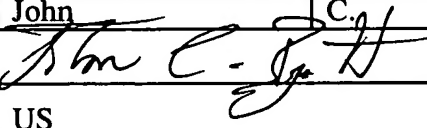
I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name:	Tianlin		WANG
Inventor's Signature:			
Country of Citizenship:	US	Date:	
Residence Address: (street, number, city, state, and/or country)	5220 Dutch Elm Drive Apex, NC 27539 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Michael	M.	LOHUIS
Inventor's Signature:			
Country of Citizenship:	CA	Date:	
Residence Address: (street, number, city, state, and/or country)	12959 Beaver Dam Road Des Peres, MO 63131 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Cheryl	J.	KOJIMA
Inventor's Signature:			
Country of Citizenship:	US	Date:	2005
Residence Address: (street, number, city, state, and/or country)	117 Royal Heights Drive Knoxville, TN 37920 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	Fengxing		DU
Inventor's Signature:			
Country of Citizenship:	CN	Date:	
Residence Address: (street, number, city, state, and/or country)	228 Country Hollow Court St. Charles, MO 63304 US		
Post Office Address: (if different from above)			

Inventor's Full Name:	John	C.	BYATT
Inventor's Signature:			
Country of Citizenship:	US	Date:	May 2 nd , 2005
Residence Address: (street, number, city, state, and/or country)	214 Country Creek Court Ballwin, MO 63011 US		
Post Office Address: (if different from above)	1101 SW 127 th St. Newberry, FL 32669		

10/561075

IAP6 Rec'd PCT/PTO 19 DEC 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Tianlin WANG**Michael M. LOHUIS****Cheryl J. KOJIMA****Fengxing DU****John C. BYATT**

§

§ Group Art Unit:

§

§ Examiner:

§

§ Atty. Dkt. No.: 11916.0065.PCUS00

§

Serial No.:

§

§

Filed:

§

§

For: **MARKER ASSISTED BEST LINEAR**

§

UNBIASED PREDICTION (MA-BLUP):

§

SOFTWARE ADAPTIONS FOR

§

PRACTICAL APPLICATIONS FOR

§

LARGE BREEDING POPULATIONS IN

§

FARM ANIMAL SPECIES§ 371 Application of International Application
PCT/US2005/002362, January 27, 2005CORRESPONDENCE ADDRESS
ELECTION UNDER 37 C.F.R. §§ 3.71 and 3.73
AND POWER OF ATTORNEY

The undersigned, being Assignee of the entire interest in the above-identified application by virtue of an Assignment recorded in the United States Patent and Trademark Office as set forth below, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor(s).

The Assignee hereby revokes any previous Powers of Attorney and appoints the practitioners associated with **CUSTOMER NO. 45607** with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Please direct all communications with the address associated with the above-mentioned Customer Number.

Pursuant to 37 C.F.R. § 3.73, the undersigned has reviewed the evidentiary documents, specifically the Assignment to **MONSANTO TECHNOLOGY LLC** referenced below, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Pursuant to MPEP § 324(2), the undersigned avers that he is empowered to sign this statement on behalf of assignee.

ASSIGNEE: MONSANTO TECHNOLOGY LLC

Date: Dec 14, 2005By: Grace L. Bonner

Name: Grace L. Bonner

Title: Intellectual Property Counsel

ASSIGNMENT:

☒ Concurrently filed